

ABSTRACT

[000129] A system and method for supporting mobile Internet communication is provided which employs a plurality of Routers and a plurality of Mobile Nodes (MNs). Each Router has a unique communication address. Each MN is associated with a home Router. Each Router has an associated Mobile Node Location List identifying each MN for which the Router is the home Router and the communication address of a Router corresponding to a current location of each such MN. Each MN is movable from an old location where the MN communicates with the Internet via one Router to a current location where the MN communicates with the Internet via a different Router. Communication at the current location via the different Router is established by communicating to the MN's home Router the communication address of the different Router as the communication address corresponding to the MN's current location. Accordingly, a data communication from a corresponding node (CN) to a selected MN is communicated to the selected MN by accessing the Mobile Node Location List of the selected MN's home Router to determine the communication address corresponding to the selected MN's current location and directing the data communication to that determined communication address.